

SAMPLING procedures



1. PREPARE VALVE

Lay rags beneath valve area
Place drip pan under valve
Verify valve is in **off** position
Remove front plug

2. CLEAN OUT VALVE

Wipe out inside of valve opening
Install valve-to-tubing reducer

3. VERIFY PRESSURE OR VACUUM

Obtain tubing with bullet of oil in it
Place thumb over the end of tubing
Open the valve
Properly release thumb pressure
Relieve vacuum with nitrogen

4. FLUSH

For 1" valve: Fill and discard bottle
3 times. Fill 4th time for BOT*
For 2" valve: Fill and discard bottle
4 times. Fill 5th time for BOT*
**BOT = Bottom Oil Temperature*

5. FILL PLASTIC BOTTLE

Fill bottle half full
Dispose of fluid to rinse bottle
Fill bottle to neck
Label bottle

6. FILL GLASS BOTTLE

Dispose of desiccant tablet
Fill bottle half full
Dispose of fluid to rinse bottle
Fill bottle to neck
Label bottle

7. FILL SYRINGE

Evacuate air from syringe
Attach tubing
Draw 50 ml of fluid into syringe
Evacuate syringe again
Draw 50 ml of fluid into syringe
Remove air bubbles
Reduce fluid sample to 42 ml

8. RESTORE VALVE

Shut valve off
Remove reducer
Apply Teflon® tape to threads
on front plug
Replace front plug
Tighten front plug with wrench

9. PACK AND SHIP

Place bottles in lined box
Place plastic bottles in outside rows
Place glass bottles in inside rows
Place syringes on top of bottles
Place paperwork in plastic freezer bag
Secure box with tape
Ship box to lab

please ^{FLUSH} PROPERLY



FLUSH THE VALVE

When flushing out the drain valve, please pay attention to the amount of fluid required for a successful flush.

EMPTY THE CONTAINER

Be sure to not empty the last of the flush containers within the required sequence.

OBTAIN THE OIL TEMPERATURE

Using a pocket thermometer, obtain the bottom temperature of the oil for the Karl Fisher test.



Valve Size	Flush Containers	Flush Volume
1 Inch	4	48 oz.
2 Inch	5	60 oz.
GSU	10	1 gal.